

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A suspension for a load hook at a lower block of a cable actuator, comprising:
 - a shaft of the load hook mounted in a recess of a carrier body and able to turn about a vertical axis, said shaft mounted in a continuous bore of a support element and thrusts against the carrier body by at least one axial bearing;
 - said shaft being mounted in the carrier body by a bearing arrangement comprising said support element, said at least one axial bearing, and a retaining ring surrounding said shaft;
 - said bearing arrangement being secured by a fastening element in said carrier body.
2. The suspension of claim 1 wherein said retaining ring is fastened by a securing element in said carrier body.
3. The suspension of claim 2 wherein said securing element for securing the bearing arrangement engages an undercut of said carrier body and thrusts against a bearing surface of said retaining ring.
4. The suspension of claim 3 wherein said undercut is fashioned as a peripheral annular groove.
5. The suspension of claim 4 wherein said shaft of the load hook is secured on said support element by a securing element, which in the assembled condition engages an undercut at the free end of said shaft and is arranged in an indentation of said support element.
6. The suspension of claim 5 wherein said undercut is fashioned as a peripheral annular groove.
7. The suspension of claim 5 wherein said undercut is configured as a tapering of the shaft cross section, proceeding from the free end of said shaft.

8. The suspension of claim 7 wherein at least one chosen from said support element and said retaining ring have a planar bearing surface for said axial bearing.
9. The suspension of claim 7 wherein said support element forms an upper shell of said axial bearing.
10. The suspension of claim 9 wherein said load hook is additionally mounted in said carrier body able to swivel about a horizontal axis.
11. The suspension of claim 10 including two cylindrical rollers arranged between a lower shell of said axial bearing and said retaining ring form the horizontal swivel axis, and said cylindrical rollers are arranged opposite each other at either end of said shaft of said load hook in the bearing arrangement.
12. The suspension of claim 11 wherein said cylindrical rollers are arranged between said retaining ring and a swivel bearing ring encircling said shaft and forming said lower shell of said axial bearing.
13. The suspension of claim 12 wherein a gap is formed between facing surfaces of said retaining ring and said swivel bearing ring in a plane perpendicular to the swivel axis.
14. The suspension of claim 13 wherein said gap is configured as enlarging in a radially outwardly direction.
15. The suspension of claim 14 wherein said side walls of the continuous bore of said retaining ring are configured to be conically enlarged in the direction of the load hook, at least in the swivel plane of the load hook.
16. The suspension of claim 15 wherein at least one chosen from said facing surfaces of said retaining ring, said swivel bearing ring and said conical side walls of said retaining ring form bearing surfaces limiting the swivel angle of said load hook.

17. The suspension of claim 16 including at least one recessed handle in said carrier body.
18. The suspension of claim 17 wherein said carrier body comprises a connection body carrying two cable rollers of a lower block.
19. The suspension of claim 1 wherein said fastening element comprises a snap-ring.
20. The suspension of claim 5 wherein said securing element comprises a snap-ring.
21. The suspension of claim 8 wherein said planar bearing surface comprises an axial needle roller bearing.
22. The suspension of claim 1 wherein said securing element for securing the bearing arrangement engages an undercut of said carrier body and thrusts against a bearing surface of said retaining ring.
23. The suspension of claim 22 wherein said undercut is fashioned as a peripheral annular groove.
24. The suspension of claim 1 wherein said shaft of the load hook is secured on said support element by a securing element, which in the assembled condition engages an undercut at the free end of said shaft and is arranged in an indentation of said support element.
25. The suspension of claim 24 wherein said securing element comprises a snap-ring.
26. The suspension of claim 24 wherein said undercut is fashioned as a peripheral annular groove.

27. The suspension of claim 24 wherein said undercut is configured as a tapering of the shaft cross section, proceeding from the free end of said shaft.
28. The suspension of claim 1 wherein at least one chosen from said support element and said retaining ring have a planar bearing surface for said axial bearing.
29. The suspension of claim 28 wherein said planar bearing surface comprises an axial needle roller bearing.
30. The suspension of claim 1 wherein said support element forms an upper shell of said axial bearing.
31. The suspension of claim 1 wherein said load hook is additionally mounted in said carrier body able to swivel about a horizontal axis.
32. The suspension of claim 31 including two cylindrical rollers arranged between a lower shell of said axial bearing and said retaining ring form the horizontal swivel axis, and said cylindrical rollers are arranged opposite each other at either end of said shaft of said load hook in the bearing arrangement.
33. The suspension of claim 32 wherein said cylindrical rollers are arranged between said retaining ring and a swivel bearing ring encircling said shaft and forming said lower shell of said axial bearing.
34. The suspension of claim 33 wherein a gap is formed between facing surfaces of said retaining ring and said swivel bearing ring in a plane perpendicular to the swivel axis.
35. The suspension of claim 34 wherein said gap is configured as enlarging in a radially outwardly direction.
36. The suspension of claim 32 wherein said side walls of the continuous bore of said retaining ring are configured to be conically enlarged in the direction of the load hook, at least in the swivel plane of the load hook.

37. The suspension of claim 32 wherein at least one chosen from said facing surfaces of said retaining ring, said swivel bearing ring and said conical side walls of said retaining ring form bearing surfaces limiting the swivel angle of said load hook.

38. The suspension of claim 1 including at least one recessed handle in said carrier body.

39. The suspension of claim 1 wherein said carrier body comprises a connection body carrying two cable rollers of a lower block.